

**A DIFFERENTIAL EQUALIZER  
FOR BROADBAND COMMUNICATIONS SYSTEMS**

**Abstract of the Invention**

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A device includes a differential equalizer that is suitable for use between an amplification chain. Additionally, the differential equalizer is suitable for use coupled before or after an amplification chain in a transmitter or a receiver. The device comprises a differential equalizer for equalizing an input signal. The differential equalizer can be packaged into an integrated 10 circuit for greater performance figures.